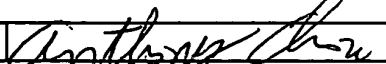


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date of deposit.			
Date of Deposit:	8/26/03	Name of Person Making the Deposit:	Anthony Chou
		Signature of the Person Making the Deposit:	

Mail Stop Assignments  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

22141 U.S. PTO  
 10/649173  
  
 08/26/03

1. Name of conveying party(ies): Alin Theodor IACOB

Serial No.:

Filed:

Group Art Unit:

Examiner:

2. Name and Address of Receiving party(ies): National Semiconductor Corporation, 2900 Semiconductor Drive, Santa Clara, CA 95051

3. Nature of Conveyance: Assignment  
 Execution Date: 8/26/03

4. New Patent Application entitled: SYSTEM AND METHOD FOR A DATA-INPUT ARRAY CAPABLE OF BEING SCANNED USING A REDUCED NUMBER OF SIGNALS

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lin C. Hsu  
 Address: Wagner, Murabito & Hao LLP  
 Two North Market Street, Third Floor, San Jose, CA 95113  
 Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)

Assignment Recordation Fee, per property

1 X \$40.00

**Total Fees** (37 CFR 3.41)

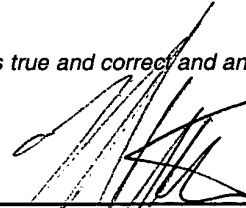
\$40.00

X The amount of \$ 40.00 is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

9. Statement and signature:

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

  
 Name: Lin C. Hsu  
 Reg. No. 46,315

Date: August 26, 2003

08/29/2003 GGEBREGI 00000031 10649173

04 FC:8021

40.00 GP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****Patent Application**

I hereby certify that this transmittal of the below described documents is being deposited with the United States Postal Service in an envelope bearing Express Mail Postage and an Express Mail label, with the below serial number, addressed to the Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450, on the below date of deposit.

Express Mail Label No.:	EL 996555817 US	Name of Person Making the Deposit:	Anthony Chou
Date of Deposit:	8/26/03	Signature of the Person Making the Deposit:	<i>Anthony Chou</i>

Inventor(s): Alin Theodor IACOB

Title: SYSTEM AND METHOD FOR A DATA-INPUT ARRAY CAPABLE OF BEING  
SCANNED USING A REDUCED NUMBER OF SIGNALS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

**Transmittal of a Patent Application**  
(Under 37 CFR §1.53)

Transmitted herewith is the above identified patent application, including:

- ☒ Specification, claims and abstract, totaling 42 pages.  
☐ Formal drawings, totaling \_\_\_\_\_ pages.  
☒ Informal drawings, totaling 7 pages.  
☒ Declaration and Power of Attorney.  
☐ Information Disclosure statement.  
☐ Form 1449  
☒ Assignment(s)  
☒ Assignment Recordation Form (duplicate)  
☒ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)  
☐ Other: \_\_\_\_\_

**Amendments, Priority Claim****35 U.S.C. 119**

- ☐ Priority of application Serial Number \_\_\_\_\_ filed on \_\_\_\_\_  
in \_\_\_\_\_ is claimed under  
35 U.S.C. 119.

☐ The certified copy has been filed in prior U.S. application Serial No. \_\_\_\_\_

☐ The certified copy will follow. in \_\_\_\_\_

**35 U.S.C. 120, 121 and 365(c)**

"This application is a continuation of and claims the benefit of copending application(s)

- ☐ application number \_\_\_\_\_ filed on \_\_\_\_\_  
☐ International Application \_\_\_\_\_ filed on \_\_\_\_\_

and which designated in the U.S."

☐ Amend this specification by inserting, before the first line, the following sentence:

"This application claims priority to the copending application(s)

☐ Serial Number \_\_\_\_\_ filed on \_\_\_\_\_

which is hereby incorporated by reference to this specification

☐ International Application \_\_\_\_\_ filed on \_\_\_\_\_

which designated the U.S."

## FEES DUE

The fees due for filing the specification pursuant to 37 C.F.R. § 1.16 and for recording of the Assignment, if any, are determined as follows:

CLAIMS					
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEES
Basic Application Fee					\$ 750.00
Total Claims	39	Minus 20=	19	X \$18 =	\$ 342.00
Independent Claims	4	Minus 3=	1	X \$84=	\$ 84.00
If multiple dependent claims are presented, add \$260.00					\$ 0.00
Add Assignment Recording Fee of \$40.00 If Assignment document is enclosed					\$ 40.00
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$1,216.00</b>

## PAYMENT OF FEES

The full fee due in connection with this communication is provided as follows:

1. Not enclosed

[ ] No filing fee is to be paid at this time.

2. Enclosed

[ X ] Filing fee

[ X ] Recording assignment

[ ] Petition fee for filing by other than all the inventors or person on behalf of the  
inventor where inventor refused to sign or cannot be reached

[ ] For processing an application with specification in a non-English language

[ ] Processing and retention fee

- ☐ Fee for international-type search report
- ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085. A duplicate copy of this authorization is enclosed.
- ☒ A check in the amount of \$1,216.00
- ☐ Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

This application is filed pursuant to 37 C.F.R. § 1.53 in the name of the above-identified Inventor(s).

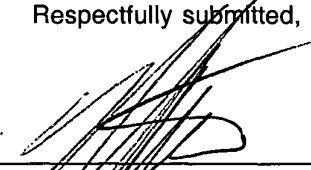
Please direct all correspondence concerning the above-identified application to the following address:

**WAGNER, MURABITO & HAO LLP**  
Two North Market Street, Third Floor  
San Jose, California 95113  
(408) 938-9060

- ☒ This transmittal ends with this page.

Respectfully submitted,

Date: August 26, 2003

By:   
Lin C. Jisu  
Reg. No. 46,315

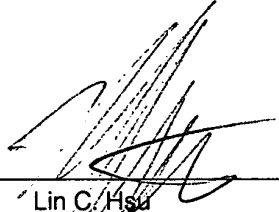
Inventor(s): Alin Theodor IACOB

Title: SYSTEM AND METHOD FOR A DATA-INPUT ARRAY CAPABLE OF BEING  
SCANNED USING A REDUCED NUMBER OF SIGNALS

**REQUEST AND CERTIFICATION  
UNDER 35 U.S.C. 122(b)(2)(B)(i)**

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Date: August 26, 2003

By:   
Lin C. Hsu  
Reg. No. 46,315

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**